THE PORT AUTHORITY OF NY & NJ **Memorandum**

TO: Frank Boyce, Project Administrator, World Trade Center
FROM: Alfonse Niedermeyer
DATE: November 17, 1992
SUBJECT: **COLLECTION OF SUSPECT ASBESTOS CONTAINING MATERIAL: ONE WORLD TRADE CENTER, 78TH FLOOR, ELEVATOR CARS #22 AND #23, CONTRACT #115.224, W.O. #999-RR**

COPY TO: K. Avenoso, S. Benjamin, N. Chanfrau, C. Detmering, P. Leahy, U. Mehta, J. Panebianco

As you requested, Asbestos Management Division staff collected bulk samples of possible asbestos containing materials from the above referenced location. These samples were analyzed for asbestos content by polarized light microscopy in accordance with the "Interim Method for the Determination of Asbestos in Bulk Insulation Samples", Appendix A to Subpart F in US EPA 40 CFR Part 763. This method was previously referred to as U. S. EPA 600/M4-82-020.

The results of our analysis are attached for your review. If you have any questions regarding these findings, you can contact me at the PATC (201) 216-2781, and please refer to report #1007.

Alfonse Niedermeyer, Chief Supervisor
Asbestos Operations
Asbestos Management Division

AN/mt
Att.

PORT AUTHORITY OF NY & NJ
ASBESTOS MANAGEMENT DIVISION
SAMPLE DATA SHEET

REPORT # 1007
SURVEY # 001

FACILITY: WORLD TRADE CENTER

LOCATION: ELEVATOR CARS # 22 & 23

BUILDING: 1

AREA DESCRIPTION: 78TH FLOOR

FLOOR: 78

SAMPLE NUMBER	LOCATION	RESULT
WTC-34583	FALLOUT MATERIAL COLLECTED FROM THE TOP OF ELEVATOR CAR # 22.	25% CHRYSOTILE ASBESTOS SAMPLE DATE: 07/09/92
WTC-34584	FALLOUT MATERIAL COLLECTED FROM THE TOP OF ELEVATOR CAR # 23.	25% CHRYSOTILE ASBESTOS SAMPLE DATE: 07/09/92

THE PORT AUTHORITY OF NY & NJ **Memorandum**

TO: Frank Boyce, Asbestos Control Coordinator
FROM: Alfonse Niedermeyer
DATE: November 18, 1992
SUBJECT: **COLLECTION OF SUSPECT ASBESTOS CONTAINING MATERIAL: 1 WORLD TRADE CENTER, 78TH FLOOR, SKYLOBBY, ON TOP OF ELEVATORS #12, 14, & 21**

COPY TO: K. Avenoso, S. Benjamin, N. Chanfrau, C. Detmering, P. Leahy, K. McKinney, U. Mehta, J. Panebianco

As you requested, Asbestos Management Division staff collected bulk samples of possible asbestos containing materials from the above referenced location. These samples were analyzed for asbestos content by polarized light microscopy in accordance with the "Interim Method for the Determination of Asbestos in Bulk Insulation Samples", Appendix A to Subpart F in US EPA 40 CFR Part 763. This method was previously referred to as U. S. EPA 600/M4-82-020.

The results of our analysis are attached for your review. If you have any questions regarding these findings, you can contact me at the PATC (201) 216-2781, and please refer to report #1001.

Alfonse Niedermeyer, Chief Supervisor
Asbestos Operations
Asbestos Management Division

UM/mt
Att.

PORT AUTHORITY OF NY & NJ
ASBESTOS MANAGEMENT DIVISION
SAMPLE DATA SHEET

REPORT # 1001
SURVEY # 001

FACILITY: WORLD TRADE CENTER

LOCATION: TOP OF ELEVATOR CARS # 12, 14 & 21

BUILDING: 1

AREA DESCRIPTION: SKYLOBBY ELEVATOR

FLOOR: 78

SAMPLE NUMBER	LOCATION	RESULT
WTC-33354	FLUFFY FALLOUT MATERIAL COLLECTED FROM THE TOP OF ELEVATOR CAR # 12, LOCATED IN THE SKYLOBBY ELEVATOR SHAFT.	10% CHRYSOTILE ASBESTOS SAMPLE DATE: 03/10/92
WTC-33355	FLUFFY FALLOUT MATERIAL COLLECTED FROM THE TOP OF ELEVATOR CAR # 12, LOCATED IN THE SKYLOBBY ELEVATOR SHAFT.	15% CHRYSOTILE ASBESTOS SAMPLE DATE: 03/10/92
WTC-33356	FLUFFY FALLOUT MATERIAL COLLECTED FROM THE TOP OF ELEVATOR CAR # 14, LOCATED IN THE SKYLOBBY ELEVATOR SHAFT.	NON ASBESTOS SAMPLE DATE: 03/10/92
WTC-33357	FLUFFY FALLOUT MATERIAL COLLECTED FROM THE TOP OF ELEVATOR CAR # 21, LOCATED IN THE SKYLOBBY ELEVATOR SHAFT.	5% CHRYSOTILE ASBESTOS SAMPLE DATE: 03/10/92
WTC-33358	FLUFFY FALLOUT MATERIAL COLLECTED FROM THE TOP OF ELEVATOR CAR # 21, LOCATED IN THE SKYLOBBY ELEVATOR SHAFT.	5% CHRYSOTILE ASBESTOS SAMPLE DATE: 03/10/92

THE PORT AUTHORITY OF NY & NJ

Port Authority Technical Center
241 Erie Street - Suite 3J8
Jersey City, N.J. 07302

Asbestos Management Division
(201) 963-7487

February 19, 1992

United States Environmental Protection Agency
Region II
26 Federal Plaza
New York, New York 10007
Attn: NESHAPS COORDINATOR

RE: ONE WORLD TRADE CENTER - NOTIFICATION
Elevator Car Number 4

Gentlemen:

This written notification is a follow-up to the verbal notification which you received this morning. As discussed on the phone, we called late yesterday, but the phone was not answered.

At the end of last week, a report of dust and debris in an elevator car was given to Port Authority staff. The material was of unknown origin and content. Our baseline survey of this shaft documents that some of the fireproofing is asbestos containing material.

When material was determined to be suspect, it was cleaned-up by appropriately asbestos-trained staff. Subsequent air sampling and analysis indicated a fiber count of <0.01f/cc.

An investigation is continuing, but we do not expect it to be conclusive. However, we have reason to suspect that the dust may have contained asbestos material. Consistent with our policy to advise you of possible emergencies, we gave verbal notice this morning and we submit this letter of notification.

The elevators shafts are maintained and routinely surveyed by asbestos-trained staff, and the Port Authority has implemented a periodic air monitoring program of the World Trade Center.

We are considering appropriate abatement of asbestos-containing shafts as part of our capital improvement program. Until abatement of the shafts occurs, however, we will continue our O&M program in the World Trade Center and take appropriate action, when necessary.

Kindly contact me if you have any questions.

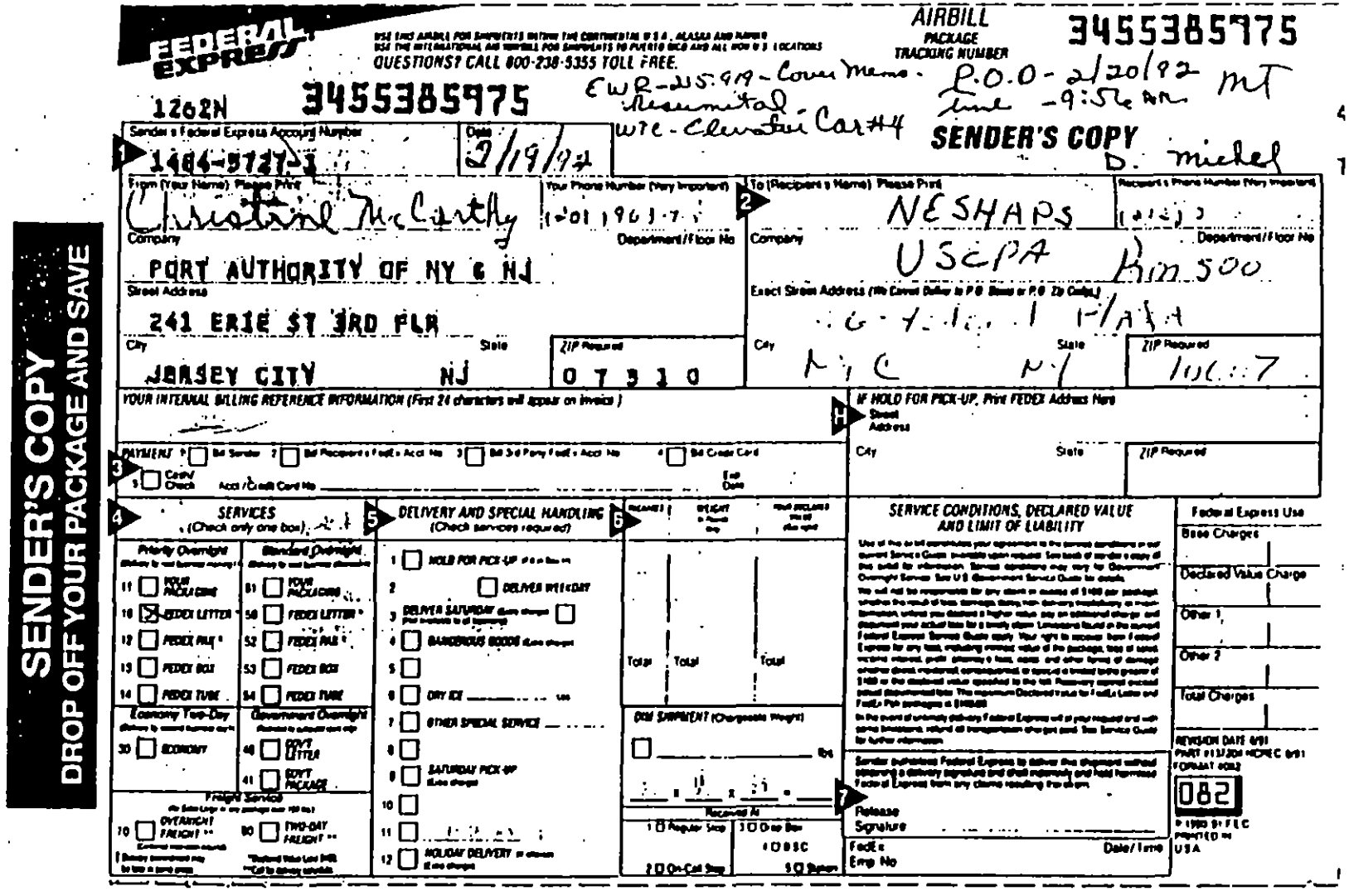
Sincerely,

Philip G. Leahy

Philip G. Leahy
Manager,
Asbestos Management Division
The Port Authority of NY & NJ

cc: Project File
Notification File

PGL/mt



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Time - 9:56 AM

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D. Michel

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CHRONO

THE PORT AUTHORITY OF NY & NJ **Memorandum**

TO: Frank Boyce, Project Administrator, World Trade Center
FROM: Alfonse Niedermeyer
DATE: June 22, 1992
SUBJECT: **COLLECTION OF SUSPECT ASBESTOS CONTAINING MATERIAL: 2 WORLD TRADE CENTER, 16TH FLOOR, INSIDE ELEVATOR CAR #29, CONTRACT #115.224, W.O. #999.HH**

COPY TO: K. Avenoso, S. Benjamin, N. Chanfrau, C. Detmering, P. Leahy, U. Mehta, J. Panebianco

As you requested, Asbestos Management Division staff collected bulk samples of possible asbestos containing materials from the above referenced location. These samples were analyzed for asbestos content by polarized light microscopy in accordance with the "Interim Method for the Determination of Asbestos in Bulk Insulation Samples", Appendix A to Subpart F in US EPA 40 CFR Part 76. This method was previously referred to as U. S. EPA 600/M4-82-020.

The results of our analysis are attached for your review. If you have any questions regarding these findings, you can contact me at the PATC (201) 963-7484, and please refer to report #733.

Alfonse Niedermeyer, Chief Supervisor
Asbestos Operations
Asbestos Management Division

UM/mt
Att.

PORT AUTHORITY OF NY & NJ
ASBESTOS MANAGEMENT DIVISION
SAMPLE LOCATIONS

REPORT # 67V
SURVEY # 001

FACILITY: WORLD TRADE CENTER
LOCATION: TOP OF THE ELEVATOR CARS # 1, 8 & 11
AREA DESCRIPTION: SKYLOBBY ELEVATORS

BUILDING: 1
FLOOR: 44

SAMPLE NUMBER	LOCATION	RESULT
WTC-33216	FLUFFY FALLOUT MATERIAL COLLECTED FROM THE TOP OF THE ELEVATOR CAR # 1. (IDENTICAL TO SPRAY-ON FIREPROOFING).	35% CHRYSOTILE ASBESTOS SAMPLE DATE: 02/25/92
WTC-33217	FLUFFY FALLOUT MATERIAL COLLECTED FROM THE TOP OF THE ELEVATOR CAR # 8. (IDENTICAL TO SPRAY-ON FIREPROOFING).	40% CHRYSOTILE ASBESTOS SAMPLE DATE: 02/25/92
WTC-33218	FLUFFY FALLOUT MATERIAL COLLECTED FROM THE TOP OF THE ELEVATOR CAR # 11 (IDENTICAL TO SPRAY-ON FIREPROOFING).	30% CHRYSOTILE ASBESTOS SAMPLE DATE: 02/25/92

PORT AUTHORITY OF NY & NJ
ASBESTOS MANAGEMENT DIVISION
SAMPLE LOCATIONS

REPORT # 735
SURVEY # 001

FACILITY: WORLD TRADE CENTER
LOCATION: INSIDE OF ELEVATOR CAR # 29
AREA DESCRIPTION: ELEVATOR CAR # 29

BUILDING: 2
FLOOR: 16

SAMPLE NUMBER	LOCATION	RESULT
WTC-33637	FLUFFY WHITE FALLOUT MATERIAL COLLECTED FROM INSIDE OF THE ELEVATOR CAR # 29.	15% CHRYSOTILE ASBESTOS SAMPLE DATE: 03/20/92

THE PORT AUTHORITY OF NY & NJ

Memorandum

TO: Frank Boyce, Project Administrator, World Trade Center
FROM: Alfonse Niedermeyer
DATE: June 22, 1992
SUBJECT: **COLLECTION OF SUSPECT ASBESTOS CONTAINING MATERIAL: 1 WORLD TRADE CENTER, 44TH FLOOR, ON TOP OF ELEVATOR CARS 3 & 4, CONTRACT #115.224**

COPY TO: K. Avenoso, S. Benjamin, N. Chanfrau, C. Detmering, P. Leahy, U. Mehta, J. Panebianco

As you requested, Asbestos Management Division staff collected bulk samples of possible asbestos containing materials from the above referenced location. These samples were analyzed for asbestos content by polarized light microscopy in accordance with the "Interim Method for the Determination of Asbestos in Bulk Insulation Samples", Appendix A to Subpart F in US EPA 40 CFR Part 76. This method was previously referred to as U. S. EPA 600/M4-82-020.

The results of our analysis are attached for your review. If you have any questions regarding these findings, you can contact me at the PATC (201) 963-7484, and please refer to report #679

Alfonse Niedermeyer, Chief Supervisor
Asbestos Operations
Asbestos Management Division

UM/mt
Att.

PORT AUTHORITY OF NY & NJ
ASBESTOS MANAGEMENT DIVISION
SAMPLE LOCATIONS

REPORT #: 679
SURVEY #: 089

FACILITY: WORLD TRADE CENTER
LOCATION: ON TOP OF THE ELEVATOR CAR # 3 & 4
AREA DESCRIPTION:

BUILDING: 1
FLOOR: 44

SAMPLE NUMBER	LOCATION	RESULT
WTC-33055	FLUFFY WHITE FIREPROOFING FALLOUT MATERIAL COLLECTED FROM DEBRIS LOCATED ON TOP OF CAR # 4.	20% CHRYSOTILE ASBESTOS SAMPLE DATE: 02/18/92
WTC-33054	FLUFFY WHITE FIREPROOFING FALLOUT MATERIAL COLLECTED FROM DEBRIS LOCATED ON TOP OF CAR # 3.	35% CHRYSOTILE ASBESTOS SAMPLE DATE: 02/18/92

Log of Activities Perfo. . In WTC Elevator Shafts

Tower A	Air Sampling		Bulk Sampling		Cleaning	Reason For Activity	Comment
Car #	Date of	Lab	Date of	Lab			
	Sample	Results	Sample	Results	Date		
3	14-Feb	<.009	14-Feb	+	14-Feb	Fallout on cab	
3	18-Feb	<.009	18-Feb	+	18-Feb	Fallout on cab	
4	18-Feb	<.009	18-Feb	+	18-Feb	Fallout on cab	
3	19-Feb	<.009				Dust condition followup	Pump in cab
4	19-Feb	<.009				Dust condition followup	Pump in cab
3	24-Feb	<.009			24-Feb		Pump on 44th flr skylobby
4	24-Feb	<.01			24-Feb		Pump on 44th flr skylobby
1			25-Feb	+	25-Feb	Fallout on cab	Pump on cab
1			25-Feb	+		Fallout on cab	Pump on cab
1			25-Feb	+		Fallout on cab - baseline	Pump on cab
8	25-Feb	<.009	25-Feb	+		Fallout on cab, baseline air	Pump on cab
11	25-Feb	<.009	25-Feb	+		Fallout on cab. baseline air	Pump on cab
18	2-Mar	<.009					Pump in cab
19			2-Mar	-			
14	9-Mar	<.01	9-Mar	+	9-Mar	Dust condition	Cleanup in and on cab, pump on cab
15	9-Mar	<.009	9-Mar	-	9-Mar	Dust condition	Cleanup in and on cab, pump on cab
File:WTC.	XLS						

Log of Activities Perf. ..d In WTC Elevator Shafts

Tower A	Air Sampling		Bulk Sampling		Cleaning	Reason For Activity	Comment
Car #	Date of	Lab	Date of	Lab			
	Sample	Results	Sample	Results	Date		
18			9-Mar	-	9-Mar	Dust condition	Cleanup in and on cab, pump on cab
19			9-Mar	-	9-Mar	Dust condition	Cleanup in and on cab, pump on cab
12	10-Mar	<.006	10-Mar	+	10-Mar	Baseline shaft 12/13	Pump on cab
12			10-Mar	+	10-Mar		
14	10-Mar	<.006	10-Mar	-	10-Mar	Baseline shaft 14/15	Pump on cab
21			10-Mar	+	10-Mar	Fallout on cab	
21			10-Mar	+	10-Mar		
12	11-Mar	<.009			11-Mar		
13	11-Mar	<.01			11-Mar		
11	11-Mar	<.009				Baseline 10/11	
21	11-Mar	<.009				Baseline 20/21	
23	11-Mar	<.008				Baseline 22/23	
9	11-Mar	<.009				Baseline shaft 8/9	
20	12-Mar	<.01			12-Mar	Fallout inside cab	
21	12-Mar	<.007	12-Mar	-	12-Mar	Fallout inside cab	
21	12-Mar	<.009			12-Mar		
File:WTC.	XLS						

Log of Activities Perf. . In WTC Elevator Shafts

Tower A	Air Sampling		Bulk Sampling		Cleaning	Reason For Activity	Comment
Car #	Date of	Lab	Date of	Lab			
	Sample	Results	Sample	Results	Date		
1	12-Mar	<.009			12-Mar	Debris on top of car	
2	12-Mar	<.009			12-Mar	Debris on top of car	
21			13-Mar	-		Fallout inside cab	
21			13-Mar	-		Fallout on cab	
20			13-Mar	-		Fallout on cab	
22	12-Mar	<.009			12-Mar	Fallout on cab	
23	12-Mar	<.009			12-Mar	Fallout on cab	
8	13-Mar	<.009			13-Mar		Pump on 44th fl skylobby
10	13-Mar	<.009			13-Mar		Pump on 44th fl skylobby
Pit 20/21	16-Mar	<.009	16-Mar	+	16-Mar		
20	16-Mar	<.009			16-Mar	Fallout in pits	
21	16-Mar	<.009			16-Mar	Fallout in pits	
21	16-Mar	<.009			16-Mar	Fallout in pits	
				-			
				-			
File:WTC.	XLS						

Log of Activities Perf. .1 WTC Elevator Shafts

Tower A	Air Sampling		Bulk Sampling		Cleaning	Reason For Activity	Comment
Car #	Date of	Lab	Date of	Lab			
	Sample	Results	Sample	Results	Date		
20	22-Mar	<.008	17-Mar	-	22-Mar	Fallout on top of cars	
21	22-Mar	<.009	17-Mar	-	22-Mar	Fallout on top of cars	
5	18-Mar	<.002			18-Mar		
48	18-Mar	<.009			18-Mar		
14			23-Mar	-		Fallout on cab	
15			23-Mar	-		Fallout on cab	
5					23-Mar		
48					23-Mar		
14/15	25-Mar	<.009			25-Mar	Cleanup of cars	
14/15	25-Mar	<.009			25-Mar		
14/15	25-Mar	<.009			25-Mar	Cleanup of cars	
24	20-Mar					Inspection of shafts 24,25, and 26	Fallout on cabs, in pits, and on beams
25	20-Mar					Inspection of shafts 24,25, and 26	Fallout on cabs, in pits, and on beams
26	20-Mar					Inspection of shafts 24,25, and 26	Fallout on cabs, in pits, and on beams
27	20-Mar					Inspection of shafts 27, 28, and 29	Fallout on cabs, in pits, and on beams
28	20-Mar					Inspection of shafts 27, 28, and 29	Fallout on cabs, in pits, and on beams
29	20-Mar					Inspection of shafts 27, 28, and 29	Fallout on cabs, in pits, and on beams
File:WTC.	XLS						

Log of Activities Perfc .1 WTC Elevator Shafts

Tower A	Air Sampling		Bulk Sampling		Cleaning	Reason For Activity	Comment
Car #	Date of Sample	Lab Results	Date of Sample	Lab Results	Date		
30	20-Mar					Inspection of shafts 30, 31, and 32	Fallout on cabs, in pits, and on beams
31	20-Mar					Inspection of shafts 30, 31, and 32	Fallout on cabs, in pits, and on beams
32	20-Mar					Inspection of shafts 30, 31, and 32	Fallout on cabs, in pits, and on beams
33	20-Mar					Inspection of shafts 33, 34, and 35	Fallout on cabs, in pits, and on beams
34	20-Mar					Inspection of shafts 33, 34, and 35	Fallout on cabs, in pits, and on beams
35	20-Mar					Inspection of shafts 33, 34, and 35	Fallout on cabs, in pits, and on beams
36	20-Mar					Inspection of shafts 36, 37, and 38	Fallout on cabs, in pits, and on beams
37	20-Mar					Inspection of shafts 36, 37, and 38	Fallout on cabs, in pits, and on beams
38	20-Mar					Inspection of shafts 36, 37, and 38	Fallout on cabs, in pits, and on beams
39	20-Mar					Inspection of shafts 39, 40, and 41	Fallout on cabs, in pits, and on beams
40	20-Mar					Inspection of shafts 39, 40, and 41	Fallout on cabs, in pits, and on beams
41	20-Mar					Inspection of shafts 39, 40, and 41	Fallout on cabs, in pits, and on beams
42	26-Mar	<.009			26-Mar	Inspection of shafts 42, 43, and 44	Fallout on cabs, in pits, and on beams
43	26-Mar	<.009			26-Mar	Inspection of shafts 42, 43, and 44	Fallout on cabs, in pits, and on beams
44	26-Mar	<.009			26-Mar	Inspection of shafts 42, 43, and 44	Fallout on cabs, in pits, and on beams
File:WTC.	XLS						

Log of Activities Perfo. . in WTC Elevator Shafts

Tower B	Air Sampling		Bulk Sampling		Cleaning	Reason For Activity	Comment
Car #	Date of	Lab	Date of	Lab			
	Sample	Results	Sample	Results	Date		
Pit 1/2			18-Feb	-			
Pit 1/2			18-Feb	-			
24	20-Mar	<.009	20-Mar			Water damage, fallout inside and top of cars	
25						Water damage, fallout inside and top of cars	
26						Water damage, fallout inside and top of cars	
27						Water damage, fallout inside and top of cars	
28						Water damage, fallout inside and top of cars	
29	20-Mar	<.008	20-Mar	+		Water damage, fallout inside and top of cars	
5	18-Mar	<.002				Baseline shaft 5	
48	19-Mar	<.009				Baseline shaft 48	
5				<.009	24-Mar		Debris on top of car
48				<.009	24-Mar		Debris on top of car
File:WTC.	XLS						

Log of Activities Perf. .n WTC Elevator Shafts

Tower A	Air Sampling		Bulk Sampling		Cleaning	Reason For Activity	Comment
Car #	Date of	Lab	Date of	Lab			
	Sample	Results	Sample	Results	Date		
45	26-Mar	<.009			26-Mar	Inspection of shafts 45, 46, and 47	Fallout on cabs, in pits, and on beams
46	26-Mar	<.009			26-Mar	Inspection of shafts 45, 46, and 47	Fallout on cabs, in pits, and on beams
47	26-Mar	<.009			26-Mar	Inspection of shafts 45, 46, and 47	Fallout on cabs, in pits, and on beams
6		lab void			30-Mar		Fallout on top of cab
7		lab void			30-Mar		
16	31-Mar	<.009			31-Mar		
17	31-Mar	<.009			31-Mar		
File:WTC.	XLS						

Log of Activities Pert. .d In WTC Elevator Shafts

Tower B	Air Sampling		Bulk Sampling		Cleaning	Reason For Activity	Comment
Car #	Date of	Lab	Date of	Lab			
	Sample	Results	Sample	Results	Date		
10	16-Mar	<.008				Baseline shafts 10 and 11	Pump on cab
14	16-Mar	<.007				Baseline shafts 14 and 15	Pump on cab
14	16-Mar	<.009			16-Mar		
14	16-Mar	<.009			16-Mar		
10	16-Mar	<.009			16-Mar		
11	16-Mar	<.009			16-Mar		
File:WTC.	XLS						